

The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

VOLUME SEVEN

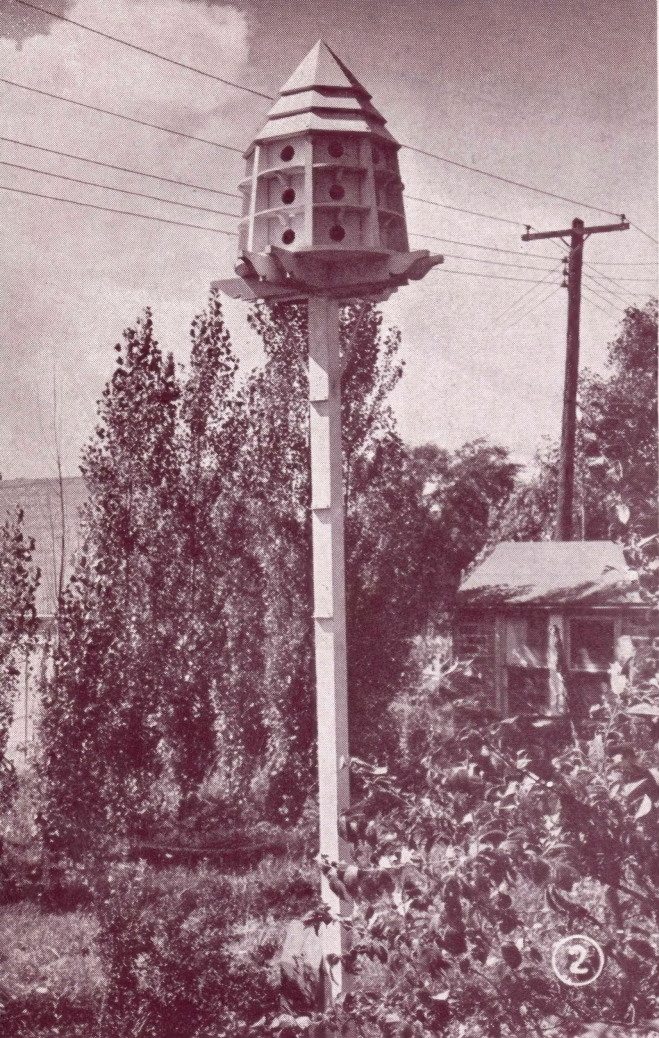
104

Issue No. 6, 1947, '48

FIFTEEN CENTS

- ★ SPEAKER'S ROSTRUM
- ★ DOUBLE DECK BEDS
- ★ SAND BOX
- ★ WOODEN AWNINGS
- ★ BOOK TABLE
- ★ DESIGNS ★ ETC.

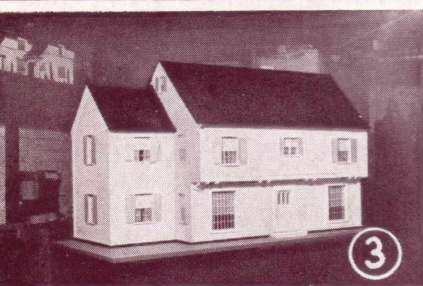




WITH DELTA CRAFTERS

Mr. Miller of Milwaukee, Wisconsin sent us the two photographs of the projects he just completed. The Martin House appeared in Issue No. 4, Vol. 17, the Soda Bar for the lawn (Photo Nos. 1 and 2) was featured in Issue No. 5, Vol. 16.

One of the professional craftsmen and steady readers of the Delta-gram is Mr. Butcher of Washington, D. C., who sent us the picture of his latest doll house project, Photo No. 3.



Another very popular project with our readers is the Utility Boat shown in Photo No. 4. Although only an amateur at woodworking, Mr. Van Wambeke of Detroit, Michigan has received a lot of compliments on his first boat project.



The turned smoking stand and lamp in Photo No. 5 were made by Peter Chercia of Philadelphia, Pennsylvania. He gets a lot of good comments on the smoking stand from the customers in his barber shop.

The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

★ A MAGAZINE FOR CRAFTSMEN

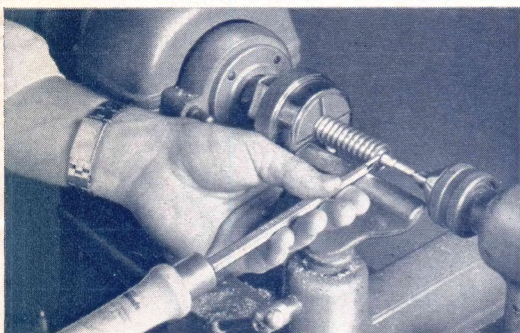
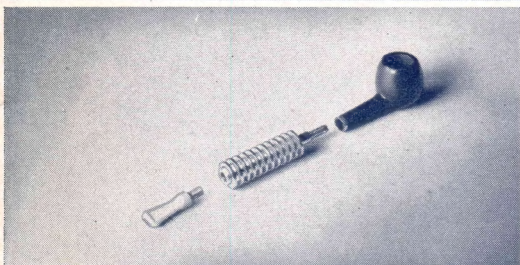
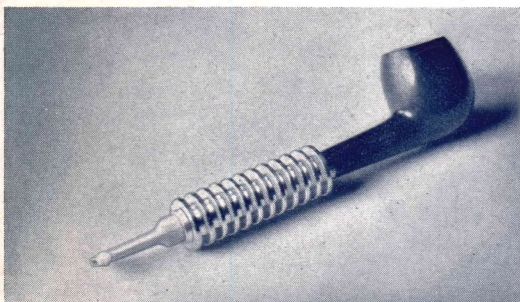
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★ E. G. HAMILTON - MANAGING EDITOR
A. M. WARKASKE - TECH. EDITOR

VOLUME SEVENTEEN

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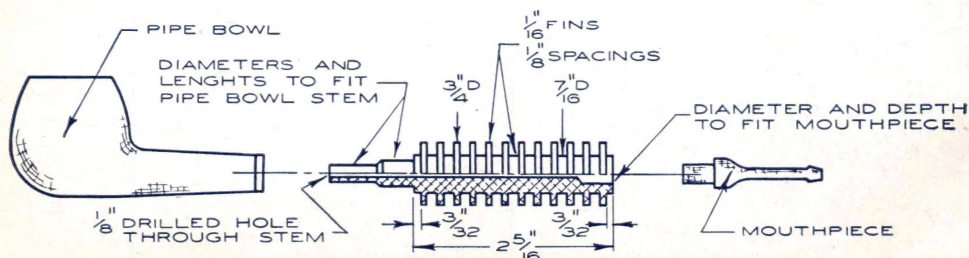
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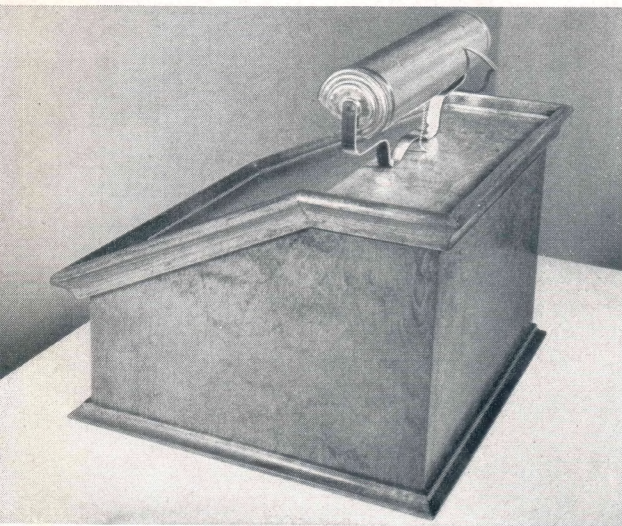
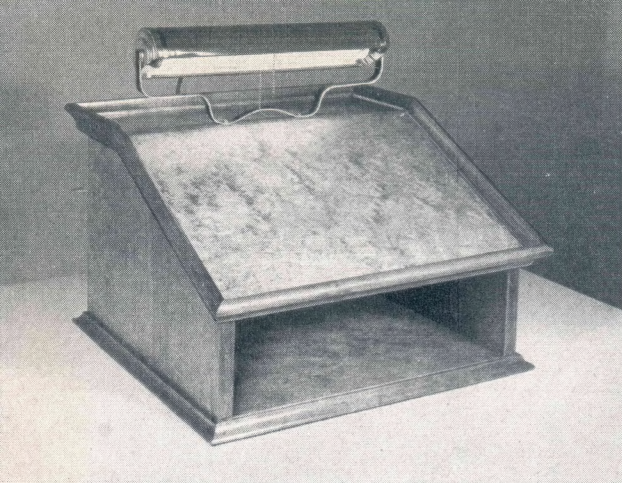


Air-Cooled PIPE STEM

☆ Here is a lathe turning project for your carbide tipped turning chisels. The stem shown in the photographs at the left was turned from aluminum rod stock held in a lathe by means of the new Delta Collet Chuck.

The center holes should be drilled first, after which the fins are turned with the $\frac{1}{8}$ " square turning chisel. Select one of the pipes from your collection or buy a new one and fit both ends of the aluminum turning to the pipe and mouth-piece. The object of the fins is that the air cools the surfaces much the same as the fins on an air-cooled engine.





☆ Most of us belong to some sort of club or association where a speakers' rostrum is one of the most sought after projects. This one was designed in answer to many such requests. It is simple and easy to build, neat in appearance, and will fit on a table top for convenience at most any dinner meeting.

The rostrum shown was built from $\frac{3}{4}$ " birch. Walnut or mahogany may also be used if you prefer a darker finish. The various mouldings were run on the shaper and circular saw as shown in the details of the drawing on the following page.

The circular saw table is set up according to the drawing detail so that the stock for the upper rim moulding may be run diagonally across the blade in order to obtain the large cove which is not available in shaper cutters. The various mouldings are then mitered and attached to the edges of the rostrum with

Build this SPEAKERS' ROSTRUM

BILL OF MATERIAL

No. Req.	Name	Size
2	Sides	$\frac{3}{4}$ "x $11\frac{1}{2}$ "x 16"
1	Back	$\frac{3}{4}$ "x $11\frac{1}{2}$ "x 17"
1	Base	$\frac{3}{4}$ "x 16" x 18"
1	Top	$\frac{3}{4}$ "x $5\frac{1}{2}$ "x 18"
1	Slanting Piece....	$\frac{3}{4}$ "x $12\frac{1}{2}$ "x 18"
	Base Mo'ding	$\frac{3}{4}$ "x $\frac{3}{4}$ "x 75"
	Top Molding.....	1"x $1\frac{1}{2}$ "x 82"

glue and small brads. The rostrum may be stained or finished natural, depending on what type of hardwood you have used in its construction.

Standard lighting fixtures with fluorescent tubes or bulbs are obtainable from your local electrical store. The one shown in the photographs had a base which was removed in order to fasten it to the top of the rostrum.



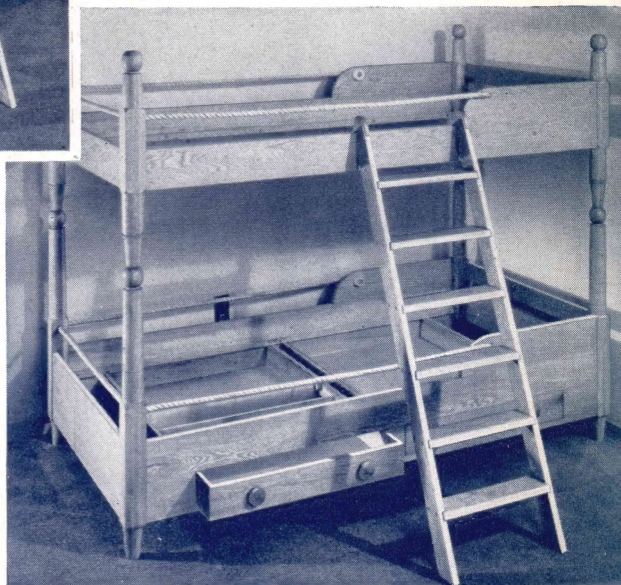
☆ Here is a most popular project, sturdily designed to furnish years of hard usage for the youngsters. The beds shown in the illustrations were made from solid oak lumber and finished natural.

The four corner posts for each bed are turned on the lathe and a $\frac{3}{4}$ " hardwood dowel is used as shown in the drawing to hold the

Double-Deck BEDS

BILL OF MATERIAL

No. Req.	Name	Size
2	Top Side Rails . . .	$\frac{7}{8}$ " x 10" x 72"
2	Lower Side Rails . .	$\frac{7}{8}$ " x 15" x 72"
4	Lower Posts	$2\frac{3}{4}$ " x $2\frac{3}{4}$ " x 36"
4	Upper Posts	$2\frac{3}{4}$ " x $2\frac{3}{4}$ " x $26\frac{1}{2}$ "
2	Upper End Rails . .	$\frac{7}{8}$ " x 5" x 36"
2	Lower End Rails . .	$\frac{7}{8}$ " x 10" x 36"
2	Top Head Rails . .	$\frac{7}{8}$ " x 3" x 36"
4	Spring Rests . . .	$\frac{5}{8}$ " x $\frac{3}{4}$ " x 72"
4	Drawer Fronts . . .	$\frac{7}{8}$ " x $4\frac{1}{4}$ " x 28"
8	Drawer Sides . . .	$\frac{3}{4}$ " x 4" x 20"
4	Drawer Backs . . .	$\frac{3}{4}$ " x $3\frac{1}{4}$ " x 27"
4	Drawer Bottoms . .	$\frac{3}{8}$ " x $19\frac{3}{4}$ " x 27"
8	Drawer Pulls . . .	1" x $2\frac{1}{4}$ " x $2\frac{1}{4}$ "
8	Spring Support Slat	$\frac{3}{4}$ " x 3" x $39\frac{1}{2}$ "
1	Drawer Cover . . .	$\frac{1}{4}$ " x $39\frac{1}{2}$ " x 62"
4	Rope Fasteners . . .	$\frac{7}{8}$ " x 2" x 2"
2	Ladder Sides . . .	$\frac{7}{8}$ " x 3" x 56"
6	Ladder Steps . . .	$\frac{7}{8}$ " x $3\frac{1}{2}$ " x 16"
	Positioning Dowel	$\frac{3}{4}$ " diam. x 15"
	Dowel	$\frac{3}{8}$ " diam. x 145"
4	Drawer Slides . . .	$1\frac{1}{4}$ " x $1\frac{1}{4}$ " x $40\frac{1}{2}$ "
12	Spacers	$\frac{5}{8}$ " x $\frac{3}{4}$ " x 20"

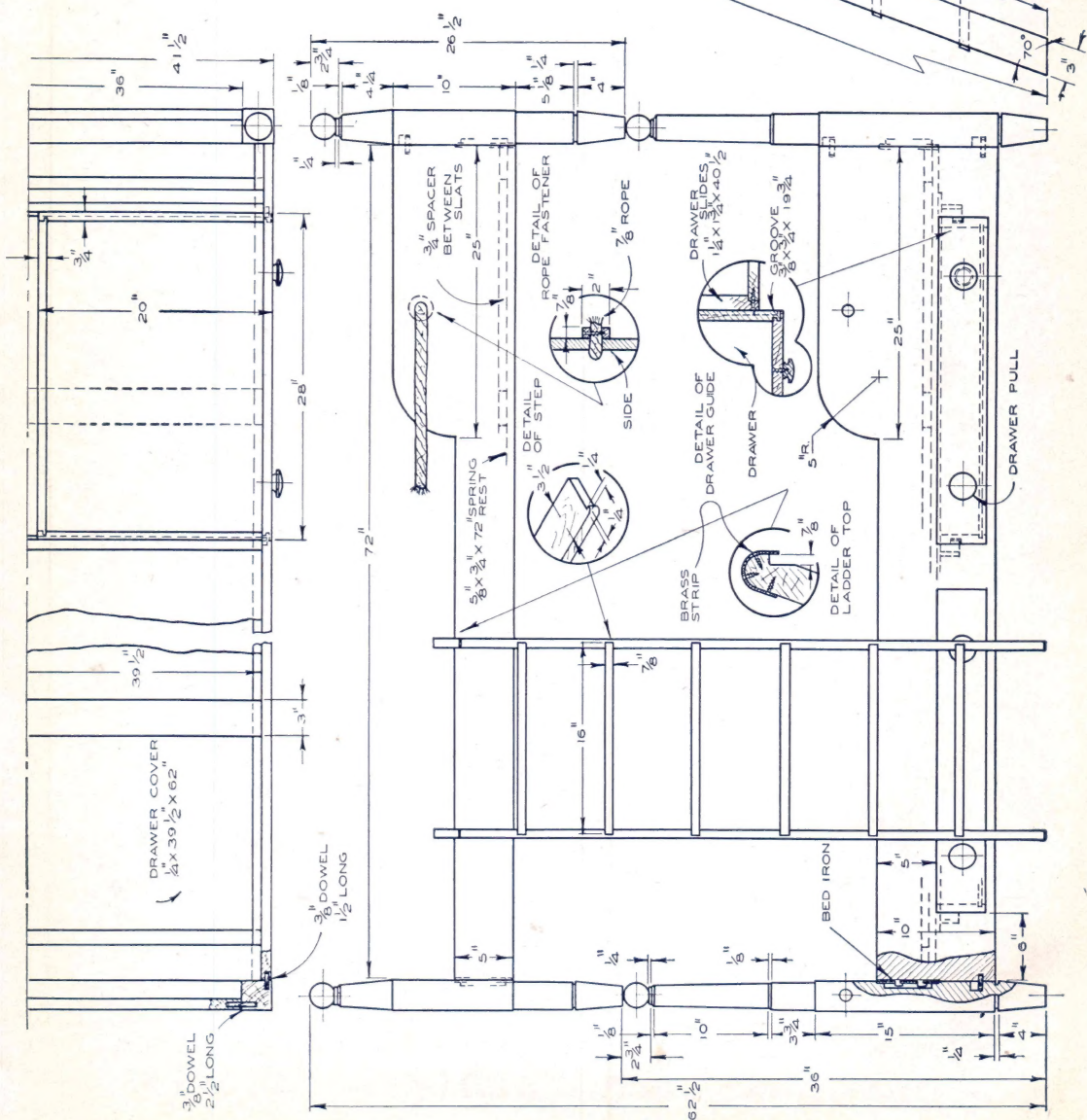
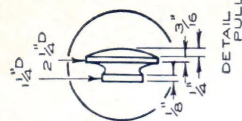


upper bunk in place. Two beds may be used, both on the floor, in which case the dowel is removed. The lower bed has drawer space underneath the mattress and spring area for convenient storage of extra blankets, linens, etc. The rope railing which is shown in the photographs is merely a decorative feature and may be left out if you so desire.

As shown in the detailed drawing of the ladder, a heavy brass strip is mounted around the top edge to form a hook support, holding the ladder in place. A dust panel should be provided for the space between the drawers and the spring area on the lower bed.

The bunk beds were sealed with white shellac, after which a natural filler was applied, followed by two coats of flat varnish.

NOTE
ALL STOCK $\frac{7}{8}$ " THICK
UNLESS OTHERWISE
SPECIFIED



BOOK TABLE



☆ Due to the popularity of the finish on the occasional table in the last issue a similar piece of furniture is shown here. The book table illustrated was built from oak lumber and the details of construction are all shown in the drawing on the following page. The tapered legs are cut in the same manner as the table in the last issue.

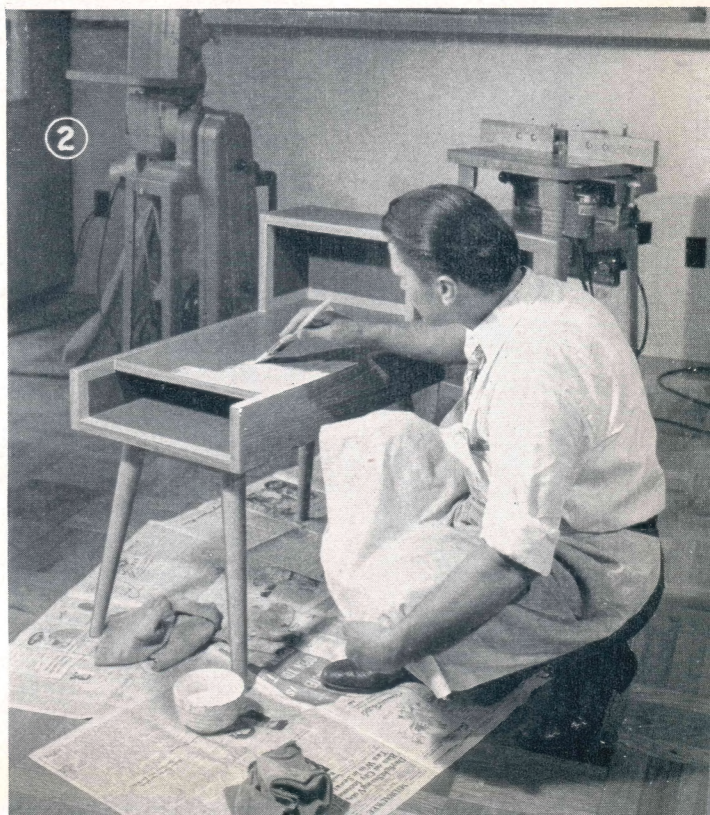
Before assembling, the inside surfaces of the book and magazine compartments were painted a flat green color. The outside of the oak was given one coat of clear varnish and allowed to dry and soak into the pores. A white filler was then brushed on the surface as shown in photograph No. 2 and then wiped off across the grain. The finish was then allowed to dry thoroughly and waxed.

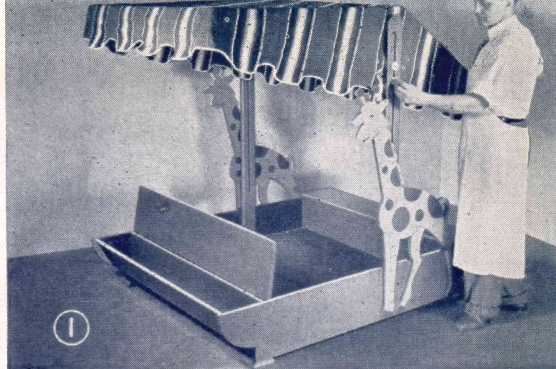
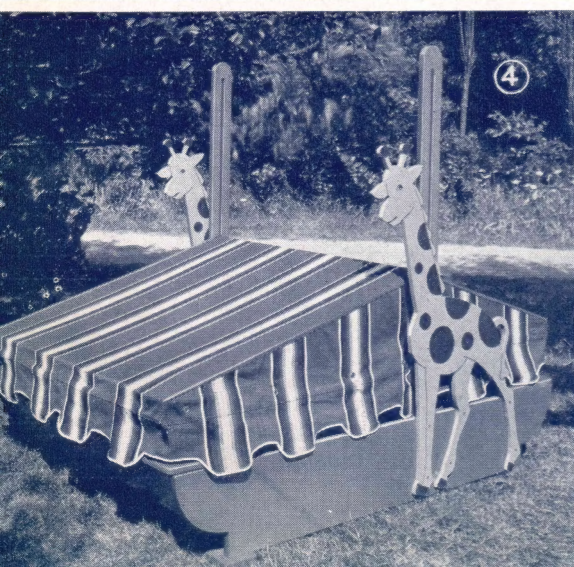
The most important feature of the table shown above is the novel finish which is obtained by coating the piece of furniture with clear varnish, followed by a white filler.



BILL OF MATERIAL

4 Legs2" dia. x 18"
2 Base Frames	¾"x 2" x 22"
2 Base Frames	¾"x 2" x 8"
1 Base Board	¾"x 15" x 30"
2 Sides¾"x 13¾" x 30"
1 Top¾"x 7" x 16"
1 Shelf¾"x 15" x 25¾"
Dowel⅝" dia. x 50"
Spline¼"x ¾"x 15"
1 Back¼"x 8¾"x 15"





SAND BOX

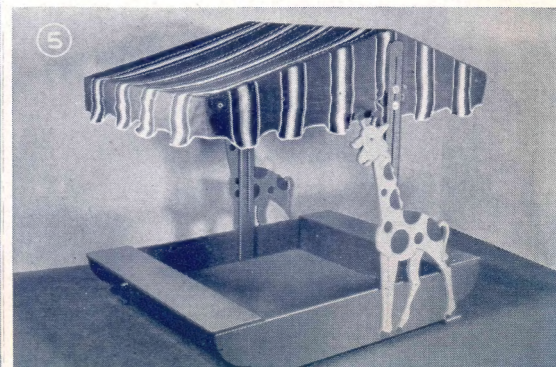
☆ Here is an attractive and useful article of lawn furniture for the children. The sand box features a canvas canopy which, when mounted on the wooden frame as shown in the drawing, may be tilted to provide maximum shade, or even lowered as a protective covering as shown in Photograph No. 4.

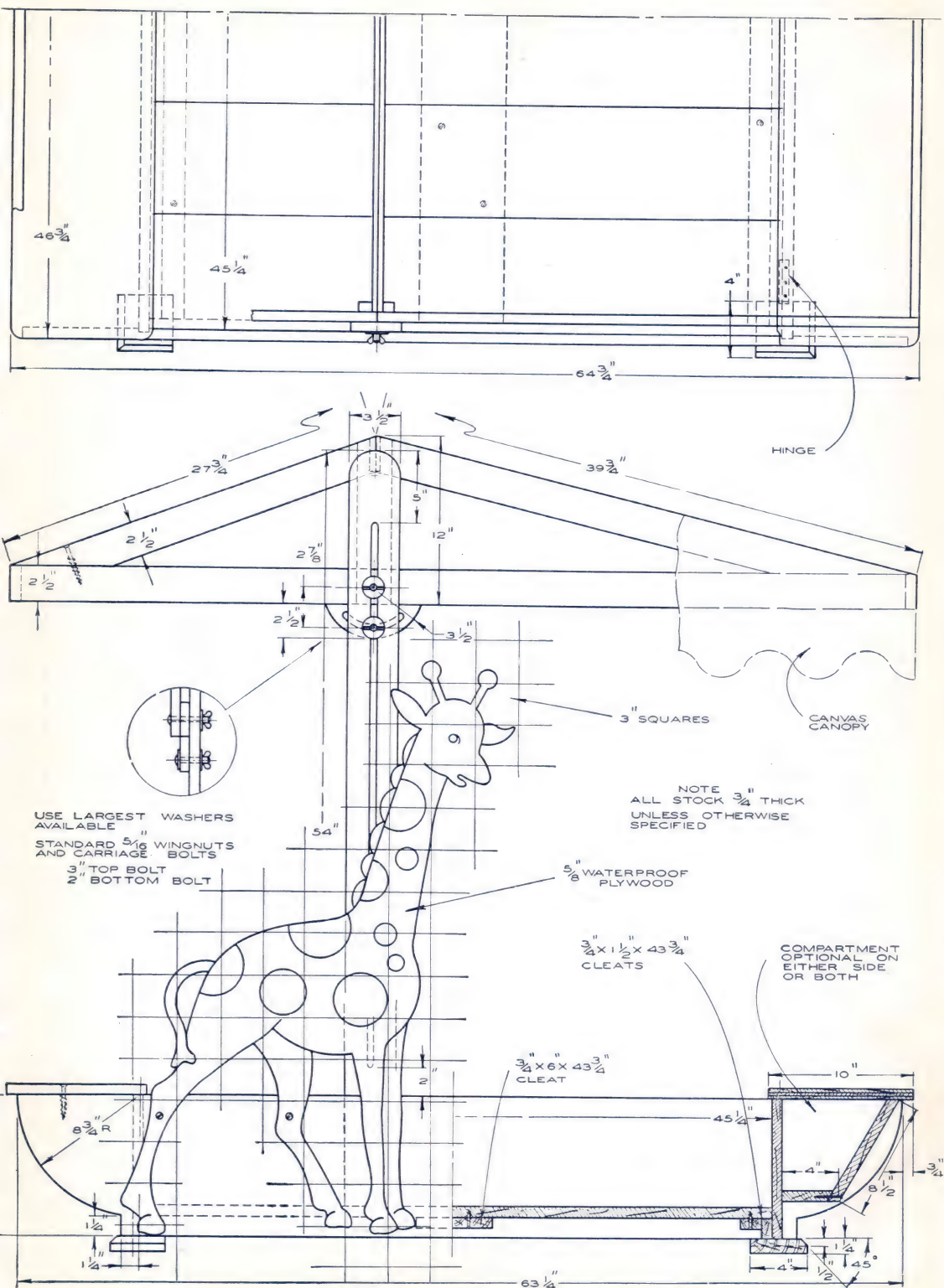
This sand box serves a dual purpose as a wading pool by adding a waterproof canvas liner as shown in Photograph No. 3.

The animal cut-out sides are band sawed from $\frac{5}{8}$ " waterproof plywood and mounted to the side frames with wood screws. Either one or both seat areas may be built with hinged lids for storage of toys, etc. (See Photo No. 1.)

BILL OF MATERIAL

No. Req.	Name	Size
2	Box Sides	$\frac{3}{4}$ " \times 10" \times 63 $\frac{1}{4}$ "
2	Box Ends	$\frac{3}{4}$ " \times 10" \times 45 $\frac{3}{4}$ "
1	Compartment Side ..	$\frac{3}{4}$ " \times 8 $\frac{3}{4}$ " \times 45 $\frac{1}{4}$ "
1	Compartment Bottom.	$\frac{3}{4}$ " \times 4" \times 45 $\frac{1}{4}$ "
2	Seats	$\frac{3}{4}$ " \times 10" \times 46 $\frac{3}{4}$ "
6	Bottom Boards	$\frac{3}{4}$ " \times 8" \times 45 $\frac{1}{4}$ "
1	Cleat	$\frac{3}{4}$ " \times 6" \times 43 $\frac{3}{4}$ "
4	Cleats	$\frac{3}{4}$ " \times 1 $\frac{1}{2}$ " \times 43 $\frac{3}{4}$ "
2	Cleats	$\frac{3}{4}$ " \times 1 $\frac{1}{2}$ " \times 45 $\frac{1}{4}$ "
4	Box Pads	1 $\frac{1}{4}$ " \times 4" \times 4"
2	Uprights	$\frac{3}{4}$ " \times 3 $\frac{1}{2}$ " \times 54"
2	Canopy Sides	$\frac{3}{4}$ " \times 2 $\frac{1}{2}$ " \times 64 $\frac{3}{4}$ "
3	Canopy Ends & Ridge	$\frac{3}{4}$ " \times 2 $\frac{1}{2}$ " \times 42 $\frac{1}{4}$ "
2	Short Slanted Side...	$\frac{3}{4}$ " \times 2 $\frac{1}{2}$ " \times 27 $\frac{3}{4}$ "
2	Long Slanted Side...	$\frac{3}{4}$ " \times 2 $\frac{1}{2}$ " \times 39 $\frac{3}{4}$ "
2	Angle Adjusters ...	$\frac{3}{4}$ " \times 2 $\frac{1}{2}$ " \times 6 $\frac{3}{4}$ "
2	Giraffe Designs	$\frac{5}{8}$ " \times 29" \times 41 $\frac{1}{2}$ "

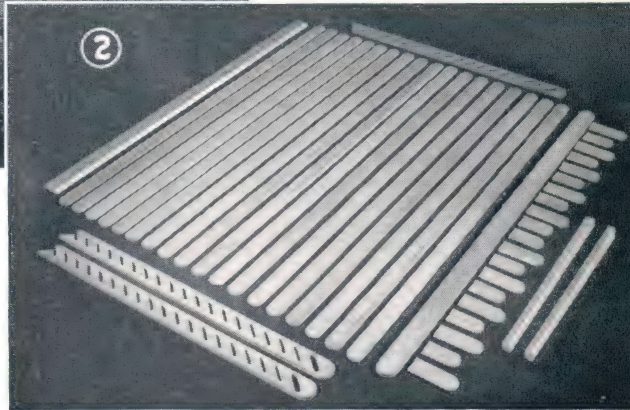






The wood awning shown at the left was made for a three-bay window and the dimensions of the slats will of course have to be varied to fit the particular window which you wish to shade.

Photograph No. 2 below shows the various parts including top, bottom and side frames to complete one wood awning. The hardware used to attach the awning to the house is not shown.



MAKE YOUR OWN WOOD AWNINGS

☆ Wood awnings are becoming increasingly popular throughout the middle west. The illustrations above and drawings on the opposite page show one style or design, the dimensions of which may be varied to fit the particular window which you want to shade. The various parts for one complete awning are shown on Photograph No. 2. The length of the slats will vary with each window.

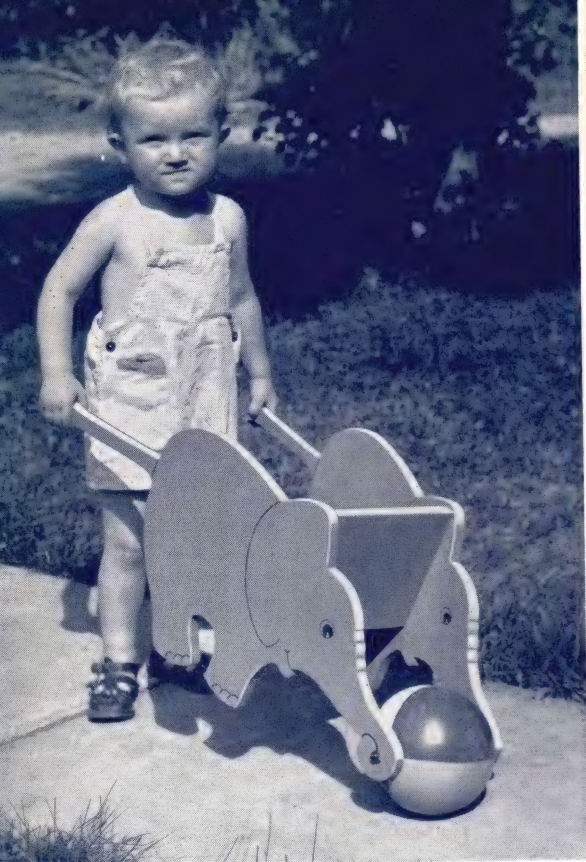
The one illustrated in Photograph No. 1 shades a three-bay window. The top of the wood awning should be fitted with screen hangers so that the awning may be mounted on your regular window hardware. The lower sup-

port is built up from $\frac{3}{8}$ " pipe and brackets as shown in the detail on the next page.

The awning may be painted to match shutters or the balance of the trim on your house.

BILL OF MATERIAL

No. Req.	Name	Size
1	Top Stretcher	$\frac{3}{4}$ " x 3" x 69"
3	Side Rails	$\frac{3}{4}$ " x 3" x 48 $\frac{1}{2}$ "
1	Bottom Stretcher	$\frac{3}{4}$ " x 3" x 72"
16	Slats	$\frac{3}{8}$ " x 3" x 72"
2	Cleats	$\frac{3}{4}$ " x 1" x 31 $\frac{7}{8}$ "
10	Scallops	$\frac{3}{8}$ " x 3" x 6 $\frac{1}{2}$ "
10	Scallops	$\frac{3}{8}$ " x 3" x 5"



The novel part of the design as shown in the photograph above is the turned wood sphere which is used in place of the conventional wheel.

The wheelbarrow as shown at the left was enameled in bright colors. The ball was painted red, green, white and yellow and the wheelbarrow a light tan.

NOVEL TOY WHEELBARROW

☆ Lay out the sides for this elephant wheelbarrow on $\frac{5}{8}$ " waterproof plywood and band saw to shape.

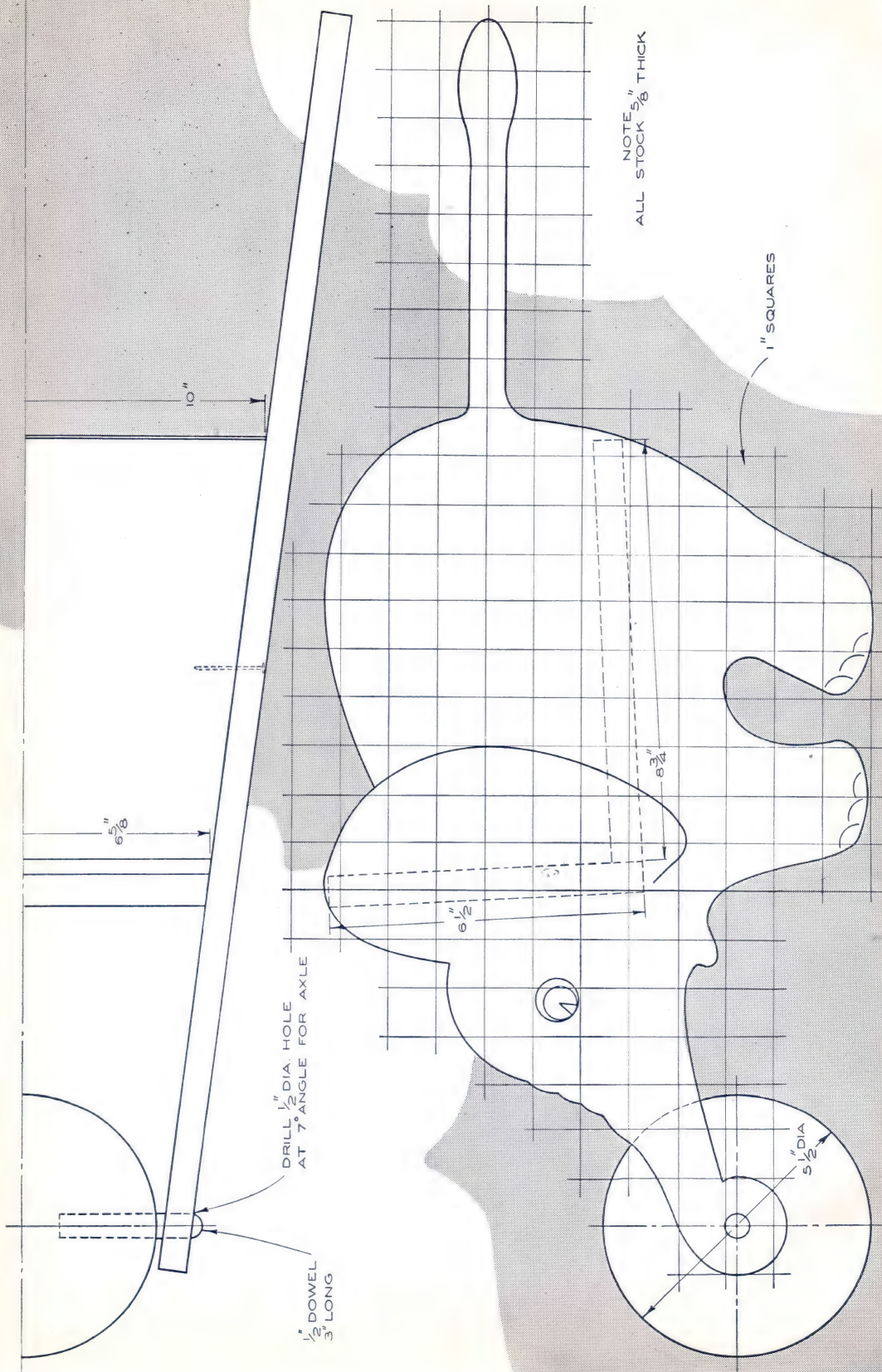
The novel part of the design is the turned wooden ball in place of the usual wheel. Glue up pine stock to the required thickness and turn the ball on your wood lathe. Several methods for turning a perfect sphere are shown in "Getting the Most Out of Your Lathe," page 15.

Drill holes for the dowels which form the axle in both the sphere and in the elephant cut-outs. Cut out the boards which form the bed of the

wheelbarrow and assemble to the sides with waterproof glue and wood screws. Seal the entire project after assembling with white shellac and then enamel in bright colors.

BILL OF MATERIAL

No. Req.	Name	Size
2	Sides	$\frac{5}{8}$ " x 11 $\frac{1}{2}$ " x 26"
1	Ball	5 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "
1	Box Compartment	
	End	$\frac{5}{8}$ " x 6 $\frac{1}{2}$ " x 6 $\frac{3}{4}$ "
1	Box Compartment	
	Bottom	$\frac{5}{8}$ " x 8 $\frac{3}{4}$ " x 10"
	Dowel	$\frac{1}{2}$ " diam. x 6 $\frac{1}{2}$ "





Designed by

WALTER O. CAVE

☆ Here is a conventional period table with a pierced brass rim which adds charm to the deep, rich color of cherry or walnut lumber. The table top should be sawed from solid lumber and the edge should have face veneer glued on to match the top grain.

A triangular wood frame is first fastened to the 3 curved legs and then screwed to the under side of the top (see drawing for details). The curved legs are band sawed from solid stock which has been tapered from $1\frac{1}{8}$ " down to $13/16$ ". The center ring sup-

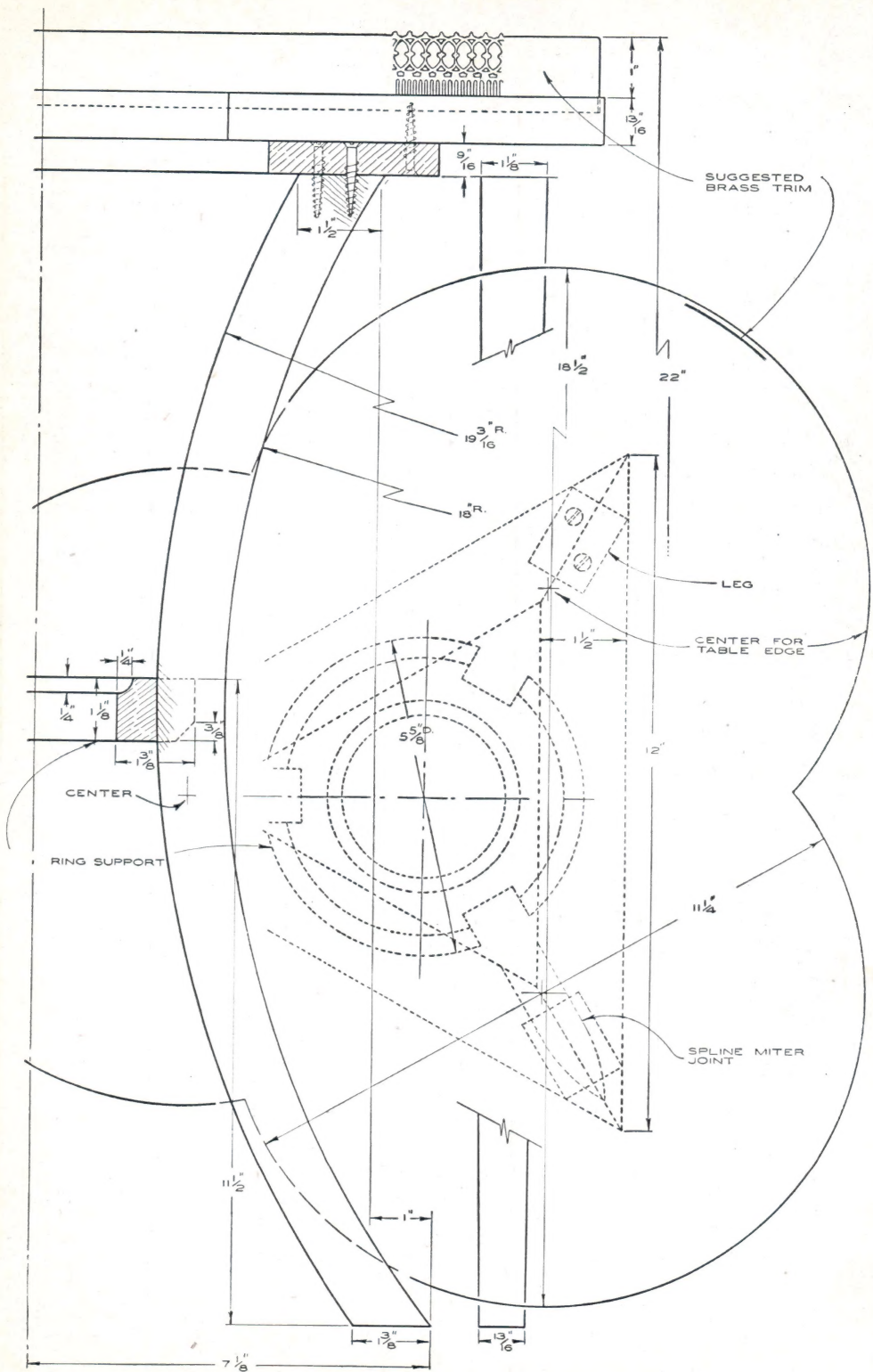
OCCASIONAL TABLE *with pierced brass rail*

BILL OF MATERIAL

1 Table Top	$\frac{3}{4}$ " x $9\frac{3}{4}$ " x $9\frac{3}{4}$ "
1 Table Support	$\frac{3}{4}$ " x $6\frac{1}{2}$ " x $6\frac{1}{2}$ "
1 Pedestal	$2\frac{1}{4}$ " x $2\frac{1}{4}$ " x $14\frac{3}{4}$ "
3 Legs	$\frac{3}{4}$ " x $2\frac{1}{2}$ " x $13\frac{1}{2}$ "
Table Edging	$\frac{1}{8}$ " x $1\text{--}7/16$ " x 60"
Dowel	$5/16$ " dia. x 10"

port should be rough sawed to shape and then turned out on the lathe. After the lathe turning is complete the notches should be cut so that the legs will fit as shown in the drawing.

The original table was built from solid cherry lumber and finished with oil stain to a deep red color.



FLYING CHIPS

"The Deltacraft" His First Boat Project

Detroit, Michigan — The snapshot of the Deltacraft (see page 102 of this issue) is the project I just recently built. I am very well satisfied in the way the little craft handles. For a boat that has to be carried to and from the lake, it's ideal. Two of us laid it on the top of the car with not too much effort.

There are, however, a few remarks I have to make about it. When you hit rough water I find it is a little bit too light. I had it in the Detroit River on Decoration Day and the water was quite choppy because there were a lot of boats out that day, but my little boat sure surprised me the way it went through the rough water. I really built it for use on inland lakes. I'm sure it will work fine there. I received a lot of compliments on it the first day I launched it.

I don't mind telling you that I nearly gave up twice while I was building this craft because I ran into some tough luck. This was the first time I ever tackled anything like it. I'm only an amateur in this woodworking hobby. So far I have built the following projects from the past issues of the Deltagram: Porch Glider, Living Room Chair, Boy's Wagon, Night Stand with door and shelf added to serve as a telephone cabinet, and now I am building the Junior Bed.

I have interested some of my classmates in the Deltagram magazine and also anyone who I think may be interested in woodworking because I think it's one of the best little magazines of its kind on the market.

Some day I will build another Deltacraft, only I will make it wider, longer and higher sides, also I'd add another center rib as you suggested to one of the readers, but for the present I am very well satisfied with my little boat. I use a five horsepower engine on it. Thus far I ran it at half speed. I'm wondering what it will do when it's open full.

If you will notice on the picture, I enclosed the railing all the way back and raised the deck covering and also added two more ribs on each side. I expect to add back rests on the seats.

I made the boat while attending a woodworking class once a week at a local high school. Most of the students want to make a boat like mine some time in the future.

C. J. W.

Hobby Shop for Rent

Salem, Massachusetts — I am planning on having a workshop or hobby shop large enough to accommodate approximately 30 men at a time, where men who are interested in building home craft furniture, do model work and photography may come and have the use of my tools, machinery and limited talents at a moderate cost per month.

I would sincerely appreciate and welcome any suggestions or comments you or your Deltagram readers may offer. If you do not have any suggestions would you have in your files or records the name of any individuals or concerns who might help me put this idea into realization?

J. A. Z.

At the present time we do not have any information on the above subject. We would suggest for those who might be interested to write to Popular Science Magazine at 353 Fourth Avenue, New York, New York.

Planning Our Workshop

Annapolis, Maryland — Some time ago I saw a very colorful and intriguing ad of yours in "This Week" Magazine of the Baltimore Sunday Sun. It depicted an elderly man and woman in a glorified workshop with very fine equipment and cabinet for tools; along with a wonderful collection of power tools. It intrigued me and I thought how very nice it would be to plan a workshop for my husband with the above-mentioned picture as a pattern.

Now I find that I have misplaced the picture and I wondered whether you might have a booklet or book which incorporated some ideas of workshops where a

man might enjoy himself creating useful and beautiful things.

We have a very nice basement room in which we will have a cement floor put in and over the old brick walls we will have a cement wash coat brushed on. He now has a power circular saw and a good electric hand sander. These two tools are the nucleus for a complete set of power tools. He also has a very fine collection of old tools which my father had — old planes and very fine high-grade steel chisels and saws. If we had some ideas of storing these in an accessible cabinet which could be mounted above a work table and could be closed against dampness (and stray workmen who might like to borrow tools!) it would be a great help. I think the lighting plan is also very important.

The room we plan to use is an old one (the house was built in 1779) and is supposed to have been one for house slaves. I do not think this is so, but that it was perhaps used for a spinning room or a curing room for hams or a storeroom. We don't know, but we do expect to make a workshop for my husband's machine tools.

We are very anxious to start on it, so please give us some ideas for its construction.

A. B. M.

We have a very good booklet on this subject; it covers everything from rough layouts to wiring suggestions. Title is "How to Plan a Home Workshop." Price 25c.

Garnet Grit and Glue

Salinas, California — I have been reading your fine magazine for the past ten years and have all the copies, but don't seem to find the answer to this one.

Is it possible to buy some sort of grit or sand (the same kind that is used on sandpaper) and the glue used with it so I will be able to make my own sanding blocks for making spoons or cleaning out pipe bowl sockets on a pipe rack.

I have used a router bit as suggested in the Deltagram but this makes a flat bottom hole which is not suitable for a large bowl pipe.

If you can give me the address of where this grit and glue can be obtained and also an idea of what grade I should order I will be very grateful.

W. B. K.

When working with irregular shapes where flat sandpaper will not do the job our No. 4017 Deltacraft Sanding Kit will do the job. You can make your own discs or drums of all different shapes for use on the lathe or special shaped drums for the drill press and scroll saw as well as irregular shaped hand blocks. The kit consists of one can of adhesive, one can fine abrasive, one can coarse abrasive, and instructions. Price of complete kit is \$1.00.

Here's More Help on Refinishing

Eau Claire, Wis. — I read in a back issue of the Deltagram that E. V. B. of Paw Paw, Michigan wants to know of an easier way of removing all finishes on furniture.

I have refinished quite a bit of furniture and I find a very satisfactory method is just to use a piece of broken glass as a scraper. I have never used the removers because I do not like them. A piece of scrap window pane should be broken up into smaller pieces for ease in handling and getting into the grooves or other decorations. This method will usually remove the finish down to the raw wood on the second draw. Care should be taken that the edge of the glass is not saw-toothed. It should be a clean, smooth break, otherwise it will gouge out grooves in the wood and necessitate more sanding later.

If the scraping is done carefully the piece being refinished will need very little sanding and you do not have the messy job of goo to contend with when using the liquid remover on the market.

It does take a lot of elbow grease and patience and rubbing. If one does not have patience this is a good method of developing it.

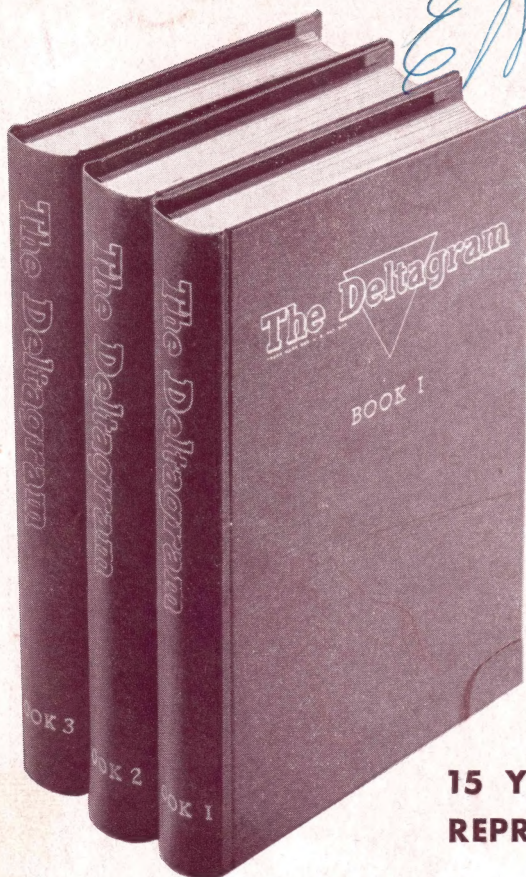
B. G. C.

DESIGNS

These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.



Em. Sawills
**RARE
VOLUMES**



☆ Here at last are the books which you have asked for — the ones which were promised in Issue No. 3, Vol. 17. These books will give you a chance to own reproductions of every copy of the Deltaqram which has been printed for the last fifteen years. For the most part the older issues of the Deltaqram and even many of the new ones are not available and would not otherwise be reprinted. Act now—Don't miss this rare opportunity.

15 YEARS OF DELTAGRAMS REPRINTED IN FULL FOR YOU

The Deltaqram has become the standard for the home workshop person who wants to make good, practical projects with the least amount of delay, fuss or bother. All plans are accurately dimensioned, every project has been made in our own shop, which is your guarantee that you can press right along and complete these same projects with ease. You save valuable material, valuable time, and turn out excellent projects when you use the Deltaqram.

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